

Title (en)
MANUFACTURE OF A ZEOLITE CATALYST FOR SKELETAL ISOMERIZATION OF OLEFINS

Title (de)
HERSTELLUNG EINES ZEOLITHKATALYSATORS ZUR GERÜSTISOMERISIERUNG VON OLEFINEN

Title (fr)
PRÉPARATION D'UN CATALYSEUR ZÉOLITIQUE POUR ISOMÉRISEMENT DE SQUELETTES D'OLEFINES

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Abstract (en)
[origin: WO2004080590A1] The present invention relates to an active and selective zeolite catalyst having MTT structure that is useful in skeletal isomerisation of light olefins. It also relates to a method for the manufacture of said catalyst. The method for the manufacture of the zeolite catalyst having MTT structure comprises the steps of a) Preparing of a gel mixture capable of forming crystalline material, and said mixture comprising sources of alkali or alkaline earth metal (M,) of an oxide of a trivalent element (X), of an oxide of a tetravalent element (Y), water and a directing agent (R), and said mixture having a composition, in terms of molar ratios, within the following ranges; (I) b) Maintaining of said mixture under sufficient conditions, including a temperature of from about 100 °C to about 250 °C, under dynamic mode of stirring until crystals of said material are formed, recovering the material, and b) Removing of said directing agent (R) partly or totally with a calcination procedure, whereby a zeolite catalyst having MTT structure is obtained.

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